

C. AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method of determining a speaker during a conference call in which a plurality of participants are connected by a plurality of lines and a switch, comprising:

using an amplitude acquisition program in the memory of the server computer, determining whether there is an incoming line with an amplitude greater than a threshold amplitude;

responsive to a determination that there is an incoming line with an amplitude greater than a threshold amplitude, storing the amplitude for the incoming line;

using a server computer connected to the switch, obtaining a voice print for a participant in a telephone conference; and

using a server computer, comparing the voice print to voice identification data from an incoming line file; and

responsive to a match being made, transmitting the identity of a participant, who is currently speaking to a display.

2. (Original) The method of claim 1 further comprising:

using the server computer, accessing an incoming line file corresponding to a line having the greatest amplitude.

3. (Original) The method of claim 1 further comprising:

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using the server computer, transmitting the identify of a participant, who is currently speaking on a line shared with one or more other participants, to a display.

4. (Original) The method of claim 1 further comprising:

transmitting the identity of a participant, who is currently speaking, to a participant computer.

5. (Original) The method of claim 1 further comprising:

transmitting the identity of a participant, who is currently speaking, to a telephone display unit;

wherein, the determination of the identity of the participant who is currently speaking is made by matching a voice print to a voice identification field in an incoming line file.

6. (Original) The method of claim 1 further comprising:

transmitting a roster information, including speaker identification from a voice print match, from the server computer to the a telephone display unit.

7. (Original) The method of claim 1 further comprising:

transmitting a roster information, including speaker identification from a voice print match, from the server computer to the a computer over a network.

8. (Original) The method of claim 1 further comprising:

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transmitting a speaker change from the server computer to a participant computer over a network;

wherein the speaker change was identified by comparison of a voice print to a voice identification field for an incoming line file.

9. (Original) The method of claim 1 further comprising:

transmitting a speaker change from the server computer to a telephone display unit;

wherein the speaker change was identified by comparison of a voice print to a voice identification field for an incoming line file.

10. (Cancelled)

11. (Original) The method of claim 1 further comprising:

using the server computer, averaging amplitude samples for each incoming line with amplitude data; and

storing the average amplitude for each line with amplitude data in a field of an incoming line file.

12. (Original) The method of claim 1 further comprising:

using a participant computer, displaying a roster information, including speaker identification wherein the speaker was identified by comparison of the speaker's voice print to a voice identification field in an incoming line file.

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13. (Currently amended) An apparatus for determining a speaker during a telephone call on in which a plurality of parties are involved, comprising:

a server computer;

a first-storage medium in the server computer;

a program residing in the first-storage medium;

a switch connected to a plurality of lines and to a plurality of participant computers and to the server computer;

wherein the program causes the server computer to:

determine whether there is an incoming line with an amplitude greater than a threshold amplitude;

responsive to a determination that there is an incoming line with an amplitude greater than a threshold amplitude, store the amplitude for the incoming line;

average amplitude samples for each incoming line with amplitude data;

store the average amplitude for each line with amplitude data in a field of an incoming line file;

acquire a voice print for a conference call participant;

store the voice print in the first storage medium;

responsive to obtaining a current voice print from a conference call participant, comparing the voice print in memory to the current voice print; and

responsive to a match being made between the voice print and the current voice print, transmitting the identity of the conference call participant to a display.

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14. (Original) The apparatus of claim 13 wherein the storage medium further comprises a conference call list file.

15. (Original) The apparatus of claim 13 wherein the storage medium further comprises a participant list file.

16. (Original) The apparatus of claim 13 wherein the storage medium further comprises a conference call information file.

17. (Original) The apparatus of claim 13 wherein the storage medium further comprises an incoming line list file.

18. (Original) The apparatus of claim 13 wherein the program identifies the incoming line with the participant who is speaking by determining a conference call line with the greatest amplitude.

19. (Currently amended) A computer readable memory for causing a server computer to identify a speaking participant in a conference call when a plurality of participants are using the same line comprising:

an amplitude acquisition program that determines whether there is an incoming line with an amplitude greater than a threshold amplitude, and responsive to a determination that there is an incoming line with an amplitude greater than a threshold amplitude, stores the amplitude for the incoming line;

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a voice identification acquisition program that obtains a voice sample from a conference call participant, analyzes the voice sample, prepares a voice print, and stores the voice print derived from the voice sample; and

a voice print identification program that obtains a current voice print for a participant who is speaking, compares the current voice print to a voice identification field in an incoming line file, and, responsive to a match being made, identifies the participant who is speaking by a link from the voice identification field to a participant information file.

20. (Cancelled)

21. (Cancelled)